suggestions

revised

least every

report

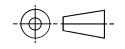
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THIRD ANGLE PROJECTION



PREPARED BY SAE SUBCOMMITTEE AE-8C2



AEROSPACE STANDARD

TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS. ELECTRONIC, MODULES, FEEDBACK TYPE, SIZES 20-6, 20-7, 20-8 HORIZONTAL MOUNTING WITH INTEGRAL BRACKET, SERIES I

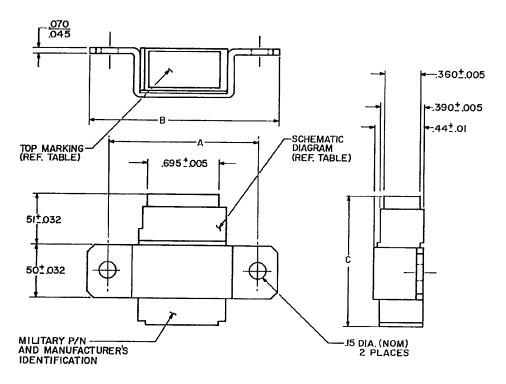
AS81714/31 SHEET 1 OF 5

Printed in the U.S.A.

2001-07

SSUED

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE BLOCK DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-81714.



Dimensions				
Size	A <u>+</u> .010	B <u>+</u> .032	C Max	
20-6	1.35	1.75	1.015	
20-7	1.35	1.75	1.310	
20-8	1.50	1.88	1.310	

Inch	mm	Inch	mm	Inch	mm
.005 .010 .029 .032 .035	0.13 0.25 0.74 0.81 0.89 1.52	.150 .360 .390 .440 .500	3.81 9.14 9.91 11.18 12.70 12.95		17.65 25.78 34.29 38.10 44.45 47.75

Sizes 20-* electronic blocks horizontal mounting with integral bracket.

TABLE I.

	Consists of B	lock and
Part Number <u>1</u> / <u>2</u> /	Contacts Part Number	End Seal Plugs Part Number
M81714/4-D-***	M39029/1-101	MS27488-20

*** Bussing Arrangement.

1/ See Note 5.

Z/ See Note 6.

TABLE I. DASH NUMBERS FOR BLOCKS WITH DIODES.

Dash No.	Size	Figure	Quantity	Part Number	Specification No.
-001	20-6	3	2	JAN TX IN5618	MIL-S-19500/427
-002	20-7	3	2	JAN TX IN5552	MIL-S-19500/420
-003	20-7	1	5	JAN TX IN5618	MIL-S-19500/427
-004	20-7	1	5	JAN TX IN5552	MIL-S-19500/420
-005	20-8	2	6	JAN TX IN5618	MIL-S-19500/427
-006	20-8	2	6	JAN TX IN5552	MIL-S-19500/420

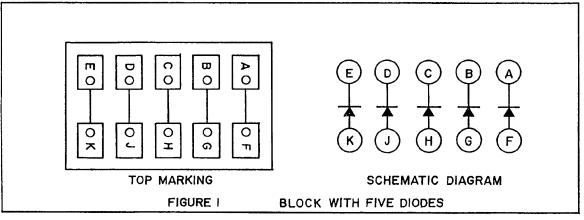


FIGURE 1. BLOCK WITH FIVE DIODES.

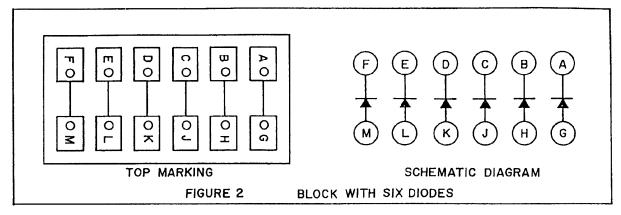


FIGURE 2. BLOCK WITH SIX DIODES.

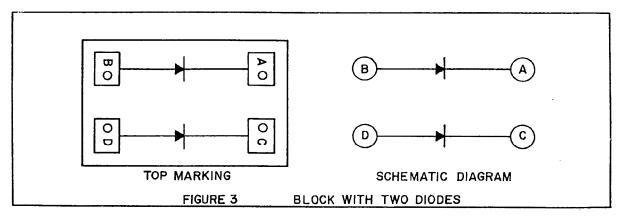


FIGURE 3. BLOCK WITH TWO DIODES.

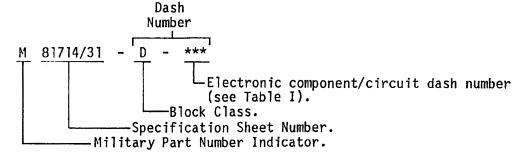
REQUIREMENTS:

1. MATERIALS:

- a. CURRENT CARRYING MEMBERS OF THE ELECTRONIC IN-LINE JUNCTION SHALL BE IN ACCORDANCE WITH THE IN-LINE JUNCTION SPECIFICATION.
- b. BRACKET FINISH: BLACK ANODIZE IN ACCORDANCE WITH MIL-A-8625, CLASS 2, .00009 INCH THICK MINIMUM.

NOTES:

- 1. DIMENSIONS ARE IN INCHES.
- 2. MIL-T-81714 REQUIREMENTS APPLY TO BASIC BLOCK ONLY. FOR RATING AND CHARACTERISTICS OF ELECTRONIC IN-LINE JUNCTION(S), CONSULT COMPONENT SPECIFICATION.
- 3. TOOL FOR CONTACT INSERTING/REMOVAL IS M81969/14-02 OR M81969/8-06 AND SHALL BE ORDERED SEPARATELY.
- 4. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
- 5. THE PART NUMBER CONSISTS OF THE LETTER M, SPECIFICATION SHEET NUMBER, BLOCK CLASS, AND ELECTRONIC COMPONENT/CIRCUIT DASH NUMBER (SEE TABLE I).



PART NUMBER EXAMPLE:

M81714/31-D-001

FEEDBACK TYPE ELECTRONIC BLOCK, CLASS D SIZE 20, WITH -001 CIRCUIT (FIVE JAN TX 1N5618 DIODES).

6. CLASSES A, B AND C ARE INACTIVE FOR NEW DESIGN. ONLY CLASS D COMPONENTS SHALL BE USED FOR DIRECT GOVERNMENT ACQUISITION.